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Hunting for Oil - An Innovative, Interactive Computer-assisted Tutorial Course

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SUMMARY

Hunting For Oil (HFO©) is a dynamic training tool based on an innovative learning platform that proposes a hands-on, experiential simulation designed to give professionals an overall understanding of the oil & gas industry.

The HFO course is modular and flexible, and can be adjusted according to client-specific wishes. It enables DALLAS© software to cover all key processes from prospect exploration to field development.

The HFO competition is more than just a fun game: it brings the participants a vision of the petroleum industry from the technical, business and environmental perspectives, so they gain a greater ability to make informed, appropriate decisions, via an effective team building process.

The HFO experience provides attendees with a complete view of the upstream Oil&Gas industry's technical fundamentals and related challenges.

Hunting For Oil[®]

**An innovative, interactive
computer-assisted tutorial course**

Image 2

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- An innovative, interactive teaching method with a dedicated tutorial tool
 - Enhanced pedagogical impact, optimized formation value
- Simple, easy-to-use interface
- ➡ Steep, intuitive learning curve
- Participative and friendly team approach
- ➡ Stimulated learning motivation, strong contribution to team spirit building
- Software-supported course on upstream activities, tailored according to attendees, objectives and duration.
- ➡ Flexible and adaptable course structure and content
- Suited for participants from varied formation and experience: managers, economists, administration staff, non-geoscientist technical staff
- ➡ Multi-audience course

HFO gives a comprehensive and practical evaluation of specific risks and uncertainties at each step of the decision-making process in hydrocarbon exploration & production.

A global vision of the O&G industry's challenges.

A great opportunity for newcomers.

A key to success for asset managers.

Hunting For Oil[®]

Exploration/Development module

Course objectives

The HFO course delivers an extensive and practical overview of the most frequently applied techniques in the Upstream business, for Exploration, Development & Production purposes.

An innovative teaching method where conventional techniques currently in use in the petroleum industry are introduced and manipulated, in order to acquire the Upstream vocabulary, and to clearly understand related challenges.

Following an interactive approach, participants play roles in a business unit teams: each of the team members can get familiar with the different positions and responsibilities that can be taken in a company of the Exploration & Production world.

Both uncertainties associated with the techniques and risks of the business are introduced, assessed and anticipated at each stage of the module. In the end, both cumulative production and company strategy will be part of the final evaluation of each team's performance.

On completing the course, participants will be able to:

- ✓ understand the main elements at stake in the upstream business,
- ✓ manipulate the most utilized tools by geoscientists in Exploration, Development & Production,
- ✓ share concepts and techniques between various disciplines and effectively integrate with a team,
- ✓ evaluate uncertainties and assess the limits of both data and interpretation,
- ✓ experience the decision process, from data-room, via commitment to production and distribution.

Duration

Sessions of 5 or 10 days, on-site or at IFP Training premises, in Rueil-Malmaison.

Explore, Manage & Win!

Course content

The success of the HFO workshop sessions relies on team work and spirit, selected company strategy, and successful data interpretation.

Lectures and workshops - theory and illustration:

- **Introduction:**
Specific role of Exploration, Development & Production in the petroleum industry.
Geological context of hydrocarbon prospecting (sedimentary basins).
Reservoir characterization tools and techniques in E&P.
- **Session 1:**
Introduction to geoscientific exploration methods.
Data-room / Call for tenders
- **Session 2:**
Seismic reflection (theory, data acquisition, processing & interpretation).
Commitment and permitting
- **Session 3:**
Wellsite geology, mudlogging, wireline logging.
Seismic survey planning
- **Session 4:**
Reservoir evaluation: trap identification, entrapment timing, preservation of the accumulation.
Drilling and completion / Well data interpretation
- **Session 5:**
Understand the reservoir: sedimentological and structural models. Play assessment.
Well data evaluation. Mapping exercises. OOIP calculation.
Appraisal drilling planning / Field development strategy

Who should attend?

Geologists, geophysicists and reservoir engineers, with short experience, who need to acquire a full view of the exploration, development and production workflow, in particular those who will join in multidisciplinary teams – but also non-technical staff.

Contact

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